Mussel Survey So	cope of Wo	ork Summary She	et 2015	Form Date: 4/20/2015	
Project Title:	Charleston	Sanitary Board Outfa	ll Mussel Survey		
Project Company:	Charleston	Sanitary Board			
Mussel Contractor: Lead Malacologist:	Sarah Horton				
roject Contractor:		(if Mussel Contract	or sub-contracting)		
Divers: if applicable John King, Dave Chaney, George Dasher		lead diver that can provide QA/QC survey effort			
County: Kanawha	<u> </u>	Gro	oup (Circle One): 1 2 3	3 4	
Stream: Kanawha Riv	/er				
If Group 1 or	2, Receiving Str				
NOTE: Watershed Area < 10sq mi US of Al			-		
Project Type: Gro	oup 4 Outfall		(corresponds to Tal	ble 3, WV Mussel Survey Protocol)	
ADI Length:	NA ,	ADI Width:	NA	Salvage area:	
US Buffer Length:	10 m	JS Buffer Width:	100 m	US Buffer Length:	
DS Buffer Length:	100 m	OS Buffer Width:	100 m	DS Buffer Length:	
Lateral Buffer Length:	110 m	ateral Buffer Width:	10 m	Lateral Buffer Width:	
Phase 1 Survey Method:	Transect X	Cells Other	\neg		
# Transects/Length (m):		Cell Size (mxm):	Cell Search Effort (I		
1/100	ADI:	sen size (mxm).		Minimum search effort for cells is	
1/100 m	USB:		0.2	2min/m ² if no mussels are found or	
10/100 m	DSB:			.5min/m ² if any mussels are found	
10 m Spacing Betw	reen Transects (M)		, , , , , , , , , , , , , , , , , , , ,	
Coordinates (Desimal De	naroos NADO2)				
Coordinates (Decimal De Upstream End US Buffer		38.371767 L	at. 81.678342		
Upstream End ADI:	Long.		at. 81.6784		
ADI Center:	Long.		at.		
Downstream End ADI:	Long.		at. 81.678583		
Downstream End DS Buf	_		at. 81.679419	<u> </u>	
Map: Show ADI, USB, D	SB and survey la	ayout			
Did you provide? Justific	cation must be p	provided in scope of worl	<		
	ternative Meth		Provide Description in	Scope	
Addressed Al	ternative Sites		Provide Description in	•	
Phase 2 Methods (Group	a 21·				
# Quadrats e	· -	Re sure to a	define area on Map/Di	agram	
n Quadrats c.	_	Salvage are		agram	
Demost for Dalasstics	<u></u>	/oo [y]N-			
Request for Relocation: Method:	Ш'	es x No			
				(minimum)	
	g Transect:			the number collected on	
Other:	-			recovered on the final pass	

or less than 2 mussels on last pass.